Table 2: Mutagenic potential of untreated and tap water (TW) treated *in vitro* digested fresh-cut lettuce (doses: 0.16% - 100%) in the Ames test.

100%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	36 ± 3 (1.0)	179 ± 16 (1.0)	123 ± 5 (1.0)	37 ± 12 (1.0)	23 ± 4 (1.0)	69 ± 6 (1.0)	62 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	1781 ± 461 (5.0)	326 ± 24 (9.0)	2026 ± 259 (11.3)	313 ± 17 (2.5)	2091 ± 1130 (56.5)	424 ± 28 (18.4)	1268 ± 280 (18.3)	154 ± 88 (2.4)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	69 ± 4 (0.1)	62 ± 8 (1.7)	266 ± 35 (1.4)	213 ± 14 (1.7)	44 ± 22 (1.1)	37 ± 10 (1.6)	18 ± 3 (0.2)	20 ± 7 (0.3)	446 ± 93 (1.1)	585 ± 48 (1.6)
unwashed	131 ± 13 (0.3)	168 ± 12 (4.6)	238 ± 12 (1.3)	365 ± 27 (2.9)	614 ± 37 (16.6)	497 ± 139 (21.9)	144 ± 15 (2.0)	157 ± 9 (2.5)	493 ± 41 (1.3)	583 ± 41 (1.6)
TW-washed	68 ± 3 (0.1)	63 ± 6 (2.8)	227 ± 20 (1.2)	200 ± 7 (2.0)	558 ± 79 (15.0)	534 ± 12 (23.3)	153 ± 14 (2.2)	145 ± 9 (2.6)	493 ± 37 (1.3)	429 ± 61 (1.5)

20%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	36 ± 3 (1.0)	179 ± 16 (1.0)	123 ± 5 (1.0)	37 ± 12 (1.0)	23 ± 4 (1.0)	69 ± 6 (1.0)	62 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	1781 ± 461 (5.0)	326 ± 24 (9.0)	2026 ± 259 (11.3)	313 ± 17 (2.5)	2091 ± 1130 (56.5)	424 ± 28 (18.4)	1268 ± 280 (18.3)	154 ± 88 (2.4)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	69 ± 4 (0.1)	62 ± 8 (1.7)	266 ± 35 (1.4)	213 ± 14 (1.7)	44 ± 22 (1.1)	37 ± 10 (1.6)	18 ± 3 (0.2)	20 ± 7 (0.3)	446 ± 93 (1.1)	585 ± 48 (1.6)
unwashed	37 ± 6 (0.1)	56 ± 7 (1.5)	186 ± 37 (1.0)	266 ± 11 (2.1)	640 ± 50 (17.2)	330 ± 4 (14.3)	98 ± 14 (1.4)	101 ± 18 (1.6)	358 ± 23 (0.9)	350 ± 45 (0.9)
TW-washed	38 ± 8 (0.1)	35 ± 7 (0.9)	155 ± 8 (0.8)	150 ± 10 (1.2)	435 ± 38 (11.7)	346 ± 24 (15.0)	88 ± 12 (1.2)	72 ± 10 (1.1)	322 ± 22 (0.8)	314 ± 31 (0.8)

4%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	36 ± 3 (1.0)	179 ± 16 (1.0)	123 ± 5 (1.0)	37 ± 12 (1.0)	23 ± 4 (1.0)	69 ± 6 (1.0)	62 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	1781 ± 461 (5.0)	326 ± 24 (9.0)	2026 ± 259 (11.3)	313 ± 17 (2.5)	2091 ± 1130 (56.5)	424 ± 28 (18.4)	1268 ± 280 (18.3)	154 ± 88 (2.4)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	69 ± 4 (0.1)	62 ± 8 (1.7)	266 ± 35 (1.4)	213 ± 14 (1.7)	44 ± 22 (1.1)	37 ± 10 (1.6)	18 ± 3 (0.2)	20 ± 7 (0.3)	446 ± 93 (1.1)	585 ± 48 (1.6)
unwashed	27 ± 4 (0.1)	32 ± 1 (0.8)	180 ± 8 (1.0)	252 ± 17 (2.0)	435 ± 93 (11.7)	300 ± 8 (13.0)	82 ± 7 (1.1)	78 ± 10 (1.2)	319 ± 18 (0.8)	310 ± 19 (0.8)
TW-washed	30 ± 0 (0.1)	31 ± 3 (0.8)	172 ± 9 (0.9)	174 ± 9 (1.4)	315 ± 58 (8.5)	561 ± 152 (24.3)	64 ± 11 (0.9)	89 ± 14 (1.4)	304 ± 41 (0.8)	349 ± 21 (0.9)

0.8%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	36 ± 3 (1.0)	179 ± 16 (1.0)	123 ± 5 (1.0)	37 ± 12 (1.0)	23 ± 4 (1.0)	69 ± 6 (1.0)	62 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	1781 ± 461 (5.0)	326 ± 24 (9.0)	2026 ± 259 (11.3)	313 ± 17 (2.5)	2091 ± 1130 (56.5)	424 ± 28 (18.4)	1268 ± 280 (18.3)	154 ± 88 (2.4)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	69 ± 4 (0.1)	62 ± 8 (1.7)	266 ± 35 (1.4)	213 ± 14 (1.7)	44 ± 22 (1.1)	37 ± 10 (1.6)	18 ± 3 (0.2)	20 ± 7 (0.3)	446 ± 93 (1.1)	585 ± 48 (1.6)
unwashed	28 ± 4 (0.1)	26 ± 2 (0.7)	167 ± 31 (0.9)	238 ± 20 (1.9)	383 ± 49 (10.3)	265 ± 31 (11.5)	83 ± 12 (1.2)	81 ± 12 (1.3)	304 ± 11 (0.8)	309 ± 28 (0.8)
TW-washed	31 ± 6 (0.1)	30 ± 5 (0.8)	140 ± 6 (0.7)	198 ± 2 (1.6)	255 ± 44 (6.8)	281 ± 33 (12.2)	75 ± 9 (1.0)	84 ± 5 (1.3)	307 ± 11 (0.8)	352 ± 28 (0.9)

0.16%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	36 ± 3 (1.0)	179 ± 16 (1.0)	123 ± 5 (1.0)	37 ± 12 (1.0)	23 ± 4 (1.0)	69 ± 6 (1.0)	62 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	1781 ± 461 (5.0)	326 ± 24 (9.0)	2026 ± 259 (11.3)	313 ± 17 (2.5)	2091 ± 1130 (56.5)	424 ± 28 (18.4)	1268 ± 280 (18.3)	154 ± 88 (2.4)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	69 ± 4 (0.1)	62 ± 8 (1.7)	266 ± 35 (1.4)	213 ± 14 (1.7)	44 ± 22 (1.1)	37 ± 10 (1.6)	18 ± 3 (0.2)	20 ± 7 (0.3)	446 ± 93 (1.1)	585 ± 48 (1.6)
unwashed	26 ± 3 (0.1)	33 ± 8 (0.9)	150 ± 35 (0.8)	236 ± 8 (1.9)	498 ± 29 (13.4)	297 ± 5 (12.9)	77 ± 10 (1.1)	79 ± 5 (1.2)	317 ± 28 (0.8)	339 ± 16 (0.9)
TW-washed	24 ± 4 (0.1)	28 ± 2 (0.7)	148 ± 7 (0.8)	184 ± 8 (1.4)	307 ± 74 (8.2)	338 ± 14 (14.6)	73 ± 6 (1.0)	81 ± 5 (1.3)	317 ± 27 (0.8)	361 ± 14 (1.0)

Table 3: Mutagenic potential of untreated and PTW (20% PTW + 80% TW) treated *in vitro* digested fresh-cut lettuce (doses: 0.16% - 100%) in the Ames test.

100%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	154 ± 11 (1.0)	178 ± 16 (1.0)	530 ± 226 (1.0)	20 ± 2 (1.0)	18 ± 4 (1.0)	17 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	2051 ± 288 (13.3)	1488 ± 329 (8.3)	1621 ± 156 (3.0)	451 ± 265 (22.5)	1848 ± 304 (102.6)	128 ± 16 (7.5)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	403 ± 22 (1.1)	391 ± 74 (0.9)	171 ± 11 (1.1)	213 ± 14 (1.1)	404 ± 20 (0.7)	23 ± 4 (1.1)	18 ± 3 (1.0)	20 ± 7 (1.1)	507 ± 36 (1.3)	483 ± 59 (1.3)
unwashed	380 ± 35 (1.0)	398 ± 75 (0.9)	390 ± 36 (2.5)	340 ± 62 (1.9)	1133 ± 295 (2.1)	1337 ± 142 (66.8)	50 ± 9 (2.7)	122 ± 102 (7.1)	439 ± 41 (1.1)	482 ± 95 (1.3)
PTW-washed	191 ± 5 (0.5)	120 ± 587 (0.2)	325 ± 41 (2.1)	400 ± 92 (2.2)	351 ± 10 (0.6)	142 ± 12 (7.1)	70 ± 12 (3.8)	85 ± 19 (5.0)	541 ± 110 (1.4)	499 ± 121 (1.3)

20%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	154 ± 11 (1.0)	178 ± 16 (1.0)	530 ± 226 (1.0)	20 ± 2 (1.0)	18 ± 4 (1.0)	17 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	2051 ± 288 (13.3)	1488 ± 329 (8.3)	1621 ± 156 (3.0)	451 ± 265 (22.5)	1848 ± 304 (102.6)	128 ± 16 (7.5)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	403 ± 22 (1.1)	391 ± 74 (0.9)	171 ± 11 (1.1)	213 ± 14 (1.1)	404 ± 20 (0.7)	23 ± 4 (1.1)	18 ± 3 (1.0)	20 ± 7 (1.1)	507 ± 36 (1.3)	483 ± 59 (1.3)
unwashed	405 ± 67 (1.1)	292 ± 24 (0.6)	241 ± 41 (1.5)	188 ± 22 (1.0)	112 ± 120 (0.2)	39 ± 23 (1.9)	28 ± 6 (1.5)	44 ± 19 (2.5)	367 ± 29 (0.9)	378 ± 31 (1.0)
PTW-washed	182 ± 3 (0.5)	189 ± 12 (0.4)	241 ± 22 (1.5)	225 ± 30 (1.2)	604 ± 19 (1.1)	36 ± 28 (1.8)	33 ± 4 (1.8)	19 ± 4 (1.1)	373 ± 30 (1.0)	383 ± 54 (1.0)

4%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	154 ± 11 (1.0)	178 ± 16 (1.0)	530 ± 226 (1.0)	20 ± 2 (1.0)	18 ± 4 (1.0)	17 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	2051 ± 288 (13.3)	1488 ± 329 (8.3)	1621 ± 156 (3.0)	451 ± 265 (22.5)	1848 ± 304 (102.6)	128 ± 16 (7.5)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	403 ± 22 (1.1)	391 ± 74 (0.9)	171 ± 11 (1.1)	213 ± 14 (1.1)	404 ± 20 (0.7)	23 ± 4 (1.1)	18 ± 3 (1.0)	20 ± 7 (1.1)	507 ± 36 (1.3)	483 ± 59 (1.3)
unwashed	389 ± 57 (1.0)	378 ± 116 (0.9)	172 ± 17 (1.1)	160 ± 26 (0.8)	466 ± 630 (0.8)	16 ± 1 (0.8)	19 ± 2 (1.0)	18 ± 1 (1.0)	344 ± 19 (0.9)	350 ± 7 (0.9)
PTW-washed	182 ± 11 (0.5)	174 ± 5 (0.4)	160 ± 33 (1.0)	184 ± 62 (1.0)	199 ± 47 (0.3)	19 ± 3 (0.9)	18 ± 1 (1.0)	25 ± 1 (1.4)	365 ± 8 (0.9)	336 ± 19 (0.9)

0.8%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	154 ± 11 (1.0)	178 ± 16 (1.0)	530 ± 226 (1.0)	20 ± 2 (1.0)	18 ± 4 (1.0)	17 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	2051 ± 288 (13.3)	1488 ± 329 (8.3)	1621 ± 156 (3.0)	451 ± 265 (22.5)	1848 ± 304 (102.6)	128 ± 16 (7.5)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	403 ± 22 (1.1)	391 ± 74 (0.9)	171 ± 11 (1.1)	213 ± 14 (1.1)	404 ± 20 (0.7)	23 ± 4 (1.1)	18 ± 3 (1.0)	20 ± 7 (1.1)	507 ± 36 (1.3)	483 ± 59 (1.3)
unwashed	402 ± 64 (1.1)	408 ± 8 (0.9)	150 ± 10 (0.9)	149 ± 44 (0.8)	26 ± 12 (0.1)	22 ± 18 (1.1)	14 ± 1 (0.7)	17 ± 2 (1.0)	356 ± 31 (0.9)	344 ± 24 (0.9)
PTW-washed	186 ± 8 (0.5)	161 ± 30 (0.3)	116 ± 3 (0.7)	202 ± 19 (1.1)	57 ± 55 (0.1)	19 ± 15 (0.9)	15 ± 1 (0.8)	26 ± 9 (1.5)	343 ± 7 (0.9)	341 ± 9 (0.9)

0.16%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	154 ± 11 (1.0)	178 ± 16 (1.0)	530 ± 226 (1.0)	20 ± 2 (1.0)	18 ± 4 (1.0)	17 ± 1 (1.0)	373 ± 13 (1.0)	359 ± 20 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	2051 ± 288 (13.3)	1488 ± 329 (8.3)	1621 ± 156 (3.0)	451 ± 265 (22.5)	1848 ± 304 (102.6)	128 ± 16 (7.5)	1002 ± 134 (2.6)	750 ± 108 (2.0)
Digestion control	403 ± 22 (1.1)	391 ± 74 (0.9)	171 ± 11 (1.1)	213 ± 14 (1.1)	404 ± 20 (0.7)	23 ± 4 (1.1)	18 ± 3 (1.0)	20 ± 7 (1.1)	507 ± 36 (1.3)	483 ± 59 (1.3)
unwashed	362 ± 32 (1.0)	308 ± 27 (0.7)	143 ± 24 (0.9)	147 ± 22 (0.8)	18 ± 6 (0.1)	17 ± 1 (0.8)	15 ± 2 (0.8)	16 ± 3 (0.9)	382 ± 48 (1.0)	415 ± 37 (1.1)
PTW-washed	171 ± 24 (0.4)	408 ± 350 (0.9)	130 ± 12 (0.8)	163 ± 52 (0.9)	22 ± 5 (0.1)	20 ± 4 (1.0)	16 ± 4 (0.8)	18 ± 4 (1.0)	341 ± 13 (0.9)	415 ± 102 (1.1)

Table 4: Mutagenic potential of untreated and PTW (50% PTW + 50% TW) treated *in vitro* digested fresh-cut lettuce (doses: 0.16% - 100%) in the Ames test.

100%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	361 ± 57 (1.0)	448 ± 15 (1.0)	24 ± 6 (1.0)	21 ± 3 (1.0)	11 ± 1 (1.0)	22 ± 22 (1.0)	683 ± 8 (1.0)	481 ± 15 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	3256 ± 140 (9.0)	1221 ± 49 (2.7)	1605 ± 96 (66.8)	143 ± 4 (6.8)	1535 ± 142 (139.5)	88 ± 21 (4.0)	1914 ± 89 (2.8)	1581 ± 110 (3.2)
Digestion control	741 ± 102 (2.0)	391 ± 74 (0.9)	411 ± 96 (1.1)	368 ± 34 (0.8)	22 ± 1 (0.9)	23 ± 4 (1.0)	18 ± 3 (1.6)	20 ± 7 (0.9)	928 ± 44 (1.3)	808 ± 24 (1.6)
unwashed	240 ± 21 (0.6)	322 ± 127 (0.7)	1143 ± 74 (3.1)	1207 ± 267 (2.6)	67 ± 4 (2.7)	71 ± 6 (3.3)	85 ± 9 (7.7)	95 ± 20 (4.7)	1585 ± 382 (2.3)	1273 ± 148 (2.6)
PTW-washed	374 ± 71 (1.0)	226 ± 29 (0.5)	390 ± 98 (1.0)	1868 ± 496 (4.1)	60 ± 11 (2.5)	77 ± 19 (3.6)	35 ± 4 (3.1)	42 ± 8 (1.9)	1637 ± 202 (2.3)	1502 ± 233 (3.1)

20%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	361 ± 57 (1.0)	448 ± 15 (1.0)	24 ± 6 (1.0)	21 ± 3 (1.0)	11 ± 1 (1.0)	22 ± 22 (1.0)	683 ± 8 (1.0)	481 ± 15 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	3256 ± 140 (9.0)	1221 ± 49 (2.7)	1605 ± 96 (66.8)	143 ± 4 (6.8)	1535 ± 142 (139.5)	88 ± 21 (4.0)	1914 ± 89 (2.8)	1581 ± 110 (3.2)
Digestion control	741 ± 102 (2.0)	391 ± 74 (0.9)	411 ± 96 (1.1)	368 ± 34 (0.8)	22 ± 1 (0.9)	23 ± 4 (1.0)	18 ± 3 (1.6)	20 ± 7 (0.9)	928 ± 44 (1.3)	808 ± 24 (1.6)
unwashed	125 ± 27 (0.3)	140 ± 19 (0.3)	1166 ± 114 (3.2)	1197 ± 32 (2.6)	28 ± 3 (1.1)	41 ± 6 (1.9)	39 ± 4 (3.5)	33 ± 6 (1.5)	955 ± 64 (1.3)	891 ± 113 (1.8)
PTW-washed	43 ± 5 (0.1)	82 ± 16 (0.1)	406 ± 125 (1.1)	961 ± 183 (2.1)	25 ± 8 (1.0)	41 ± 7 (1.9)	18 ± 2 (1.6)	17 ± 2 (0.7)	892 ± 229 (1.3)	1224 ± 183 (2.5)

4%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	361 ± 57 (1.0)	448 ± 15 (1.0)	24 ± 6 (1.0)	21 ± 3 (1.0)	11 ± 1 (1.0)	22 ± 22 (1.0)	683 ± 8 (1.0)	481 ± 15 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	3256 ± 140 (9.0)	1221 ± 49 (2.7)	1605 ± 96 (66.8)	143 ± 4 (6.8)	1535 ± 142 (139.5)	88 ± 21 (4.0)	1914 ± 89 (2.8)	1581 ± 110 (3.2)
Digestion control	741 ± 102 (2.0)	391 ± 74 (0.9)	411 ± 96 (1.1)	368 ± 34 (0.8)	22 ± 1 (0.9)	23 ± 4 (1.0)	18 ± 3 (1.6)	20 ± 7 (0.9)	928 ± 44 (1.3)	808 ± 24 (1.6)
unwashed	69 ± 8 (0.1)	81 ± 21 (0.1)	495 ± 38 (1.3)	580 ± 48 (1.2)	21 ± 5 (0.8)	26 ± 4 (1.2)	18 ± 4 (1.6)	18 ± 2 (0.8)	653 ± 52 (0.9)	695 ± 147 (1.4)
PTW-washed	17 ± 5 (0.1)	101 ± 11 (0.2)	358 ± 58 (0.9)	734 ± 93 (1.6)	24 ± 1 (1.0)	28 ± 3 (1.3)	17 ± 3 (1.5)	16 ± 0 (0.7)	744 ± 55 (1.0)	973 ± 176 (2.0)

0.8%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	361 ± 57 (1.0)	448 ± 15 (1.0)	24 ± 6 (1.0)	21 ± 3 (1.0)	11 ± 1 (1.0)	22 ± 22 (1.0)	683 ± 8 (1.0)	481 ± 15 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	3256 ± 140 (9.0)	1221 ± 49 (2.7)	1605 ± 96 (66.8)	143 ± 4 (6.8)	1535 ± 142 (139.5)	88 ± 21 (4.0)	1914 ± 89 (2.8)	1581 ± 110 (3.2)
Digestion control	741 ± 102 (2.0)	391 ± 74 (0.9)	411 ± 96 (1.1)	368 ± 34 (0.8)	22 ± 1 (0.9)	23 ± 4 (1.0)	18 ± 3 (1.6)	20 ± 7 (0.9)	928 ± 44 (1.3)	808 ± 24 (1.6)
unwashed	38 ± 14 (0.1)	76 ± 39 (0.1)	496 ± 39 (1.3)	502 ± 14 (1.1)	17 ± 1 (0.7)	22 ± 3 (1.0)	12 ± 6 (1.1)	11 ± 1 (0.5)	644 ± 207 (0.9)	657 ± 59 (1.3)
PTW-washed	23 ± 16 (0.1)	70 ± 9 (0.1)	316 ± 63 (0.8)	892 ± 71 (1.9)	21 ± 6 (0.8)	20 ± 4 (0.9)	13 ± 1 (1.1)	17 ± 2 (0.7)	754 ± 216 (1.1)	750 ± 50 (1.5)

0.16%	TA98		TA100		TA1535		TA1537		TA102	
	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9	-S9	+S9
Negative control	355 ± 43 (1.0)	418 ± 12 (1.0)	361 ± 57 (1.0)	448 ± 15 (1.0)	24 ± 6 (1.0)	21 ± 3 (1.0)	11 ± 1 (1.0)	22 ± 22 (1.0)	683 ± 8 (1.0)	481 ± 15 (1.0)
Positive control	2979 ± 400 (8.3)	1152 ± 63 (2.7)	3256 ± 140 (9.0)	1221 ± 49 (2.7)	1605 ± 96 (66.8)	143 ± 4 (6.8)	1535 ± 142 (139.5)	88 ± 21 (4.0)	1914 ± 89 (2.8)	1581 ± 110 (3.2)
Digestion control	741 ± 102 (2.0)	391 ± 74 (0.9)	411 ± 96 (1.1)	368 ± 34 (0.8)	22 ± 1 (0.9)	23 ± 4 (1.0)	18 ± 3 (1.6)	20 ± 7 (0.9)	928 ± 44 (1.3)	808 ± 24 (1.6)
unwashed	45 ± 8 (0.1)	78 ± 4 (0.1)	503 ± 94 (1.3)	528 ± 58 (1.1)	18 ± 2 (0.7)	20 ± 2 (0.9)	11 ± 3 (1.0)	15 ± 2 (0.6)	576 ± 55 (0.8)	581 ± 117 (1.2)
PTW-washed	32 ± 27 (0.1)	80 ± 9 (0.1)	297 ± 41 (0.8)	491 ± 36 (1.0)	18 ± 1 (0.7)	21 ± 2 (1.0)	12 ± 2 (1.1)	12 ± 2 (0.5)	695 ± 87 (1.0)	800 ± 58 (1.6)